	Application No.	Applicant(s)
Notice of Allowability	09/987,039	TAKATA, TOSHIO
	Examiner	Art Unit	
	C.DAS	2122	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *11/13/01*.

2. ☒ The allowed claim(s) is/are *1-14*.

3. ☒ The drawings filed on *13 November 2001* are accepted by the Examiner.

4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☒ All   b) ☐ Some*   c) ☐ None of the:

       1. ☒ Certified copies of the priority documents have been received.

       2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

       3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____ .

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date *6/16/04*

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☐ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

1.   Claims 1-14 have been allowed.

REASON FOR ALLOWANCE

2.   The following is an examiner's statement of reason for allowance:

The cited prior art taken alone or in combination fail to teach, in combination with the other claimed limitations, a method of modifying a program stored in a nonvolatile memory in a microcontroller, specifically, the second program replacing the disabled part of the first program and an interrupt-handling routine for redirecting program execution from the disabled part of the first program to the second program, and the processing unit executes the first program responds to the interrupt signal by executing the interrupt-handling routine, is thereby redirected to the second program, executes the second program, and then returns to execution of the first program, as recited in the independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments of Statement of Reason for Allowance".

Conclusion

3.   The prior art made or record and not relied upon is considered pertinent to applicant's disclosure.

TITLE: Method and apparatus for analyzing software in a language-independent manner, US 6658651 B2

TITLE: Software migration on an active processing element, US 6698017 B1

TITLE: <u>Method</u> and apparatus for extending BIOS control of screen display beyond operating system boot process, US 6477642 B1

TITLE: Microprocessor with an architecture mode control capable of supporting extensions of two distinct instruction-set architectures, US 5854913 A

TITLE: Computer system with private and shared partitions in cache, US 5875464 A

TITLE: Multiprocessor system with write generate method for updating cache, US 5524212 A.

TITLE: The Reduction of Branch Instruction Execution Overhead Using Structured Control Flow, author: Wedig et al, IEEE, 1984.

TITLE: Instruction Fetch Mechanisms for Multipath Execution Processors, author: Klauser et al, IEEE, 1999.

5.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chameli Das whose telephone number is 703-305-1339.

        The examiner can normally be reached on Monday-Friday from 7:00 A.M. to 3:30 P.M.

        If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Tuan Dam can be reached at 703-305-4552. The fax number for this group is (703) 872-9306.

        An inquiry of general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is 703-305-9600.

CHAMELI C. DAS
PRIMARY EXAMINER

6/16/04